

Mazda Miata window guide replacement for NBs with electric windows

Other model years would be similar, I imagine.

This procedure was written to supplement the window guide supplier's procedure, not replace it.

Observations:

- Actual glass removal is necessary to perform this procedure.
- There exist minor differences between the passenger side and driver side window removal.
- Warmer days will allow the sealant which holds the vapor barrier in place to ooze requiring sticky precautions but will allow reaffixing the barrier back on much easier.
- Be careful when prying the inner door panel off in taking care of placement of door speaker.
- With glass removed, don't be too tempted to remove all the dirt. They act as good reference points in realignment of the plastic clips for mounting screws.
- With the inner door panel removed, application of Armor All (or your desired protectant) is much easier and less likely to get on the glass.

Tools required:

T30 Torx bit

M10 deep socket and 3/8" drive ratchet

Nylon Pry Bar (I purchased from Harbor Freight years ago for not much money)

Time required:

An hour for both sides



The screenshot shows the Harbor Freight Tools website. At the top, the HFT logo and the text "HARBOR FREIGHT TOOLS Quality Tools at Ridiculously Low Prices" are visible. Below the logo is a search bar. A navigation menu includes "SALE & CLEARANCE", "RETAIL FLYER", "SHOP BY INTEREST", and "OUR". A secondary menu lists "Power Tools", "Air Tools", "Hand Tools", "Automotive & Motorcycle", "Engines & Generators", and "Garage &". A yellow banner indicates "\$6.99 FLAT-RATE SHIPPING". The main content area shows a product listing for a "4 Piece Nylon Pry Bar Installer Kit" with a price of "Only: \$7.99" and a "Sale: \$5.99". The quantity is set to "1". There are also links for "Add to Wishlist" and "View S".

Door panel removal.

There are three (3) push type door trim clips. 2 located at the rear of the door trim and one (1) forward near the tweeter. A small flat bladed screwdriver is used to pull up the center of the clip allowing the whole clip to be fully removed.



There are three (3) Philips head screws that need to be removed as well.



Insert a nylon pry bar between the door panel and door about the perimeter. Take care of the speaker. When the door panel is loose, grasp the pull of the inner door panel firmly and wiggle up. Set the door panel aside.



Accessing and removing the hardware for glass removal.

The door should look like this:



Begin to peel the vapor barrier back like so and lower the window down. Take note of window position.



This permits 2 of the 3 screws which hold the window in place to be removed through the opening of the door.



In order to obtain access, the window needs to be adjusted again to about here:



The remaining screw is here (towards my pinky):



There are also upper window stops that prevent removal of the glass from the door and need to be removed. They dictate when the window stops when closed. I found there were two on the passenger side but only one on the driver side. This procedure covers the passenger side. Slip your fingers alongside of the interior of the glass when removing to keep them from falling and spinning free as they are threaded.



Here is the forward one:



Here is the one aft (the screw not the nut):



This is what they look like (I reinserted the bolt into the L shaped foot that is the stop):



Carefully remove the glass and lay down, 'outside' down for guide replacement. :



In this picture, I have the glass lying on top of a knee pad. The white item in the middle of the glass is the new replacement piece. The bottom lower rear is the piece to be replaced held on by a single T30 screw. The plastic clips near the center bottom were the clips that held the glass in place. And the two larger pieces outboard of the clips what hits the top L-shaped feet removed earlier. Replacing the guide is a matter of removing the old and replacing with the new. . When reinstalling any screws against the glass, be careful to not over torque the screws

Reinstall in the reverse order of removal.

When reinstalling any screws against the glass, be careful to not over torque the screws.

Also note, when reinserting the glass back into the door, I found it necessary to pry along the outside weather stripping to prevent the glass hardware from catching it. Like so, but running the nylon pry back all across the weather stripping as I wiggled it in to seat the glass.



More, an impression is left on the plastic pieces, glass and sheet metal of where the hardware originally was. Use them to aid in reinstallation.

The difference after is incredible. Hope this helps somebody out there.

Billy